

Title (en)

Methods for manufacturing components from articles formed by additive-manufacturing processes

Title (de)

Verfahren zur Herstellung von Komponenten aus mittels additiven Herstellungsverfahren gebildeten Artikeln

Title (fr)

Procédés de fabrication de composants à partir d'articles formés par des processus de fabrication additive

Publication

EP 2570595 B1 20131023 (EN)

Application

EP 12184142 A 20120912

Priority

US 201113235210 A 20110916

Abstract (en)

[origin: EP2570595A1] A method is provided for manufacturing a component. The method includes forming a diffusion coating on a first intermediate article formed by an additive manufacturing process. The diffusion coating is removed from the first intermediate article forming a second intermediate article having at least one enhanced surface. The diffusion coating is formed by applying a layer of coating material on at least one surface of the first intermediate article and diffusion heat treating the first intermediate article and the layer. The diffusion coating comprises a surface additive layer and a diffusion layer below the surface additive layer. The formation of the diffusion coating and removal thereof may be repeated at least once.

IPC 8 full level

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CPC (source: EP US)

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